

6.0 DATA MANAGEMENT AND QUALITY ASSURANCE REVIEW

6.1 DATA MANAGEMENT AND EVALUATION

The results of the sampling will be summarized in a report. The analytical results for the samples collected from the study area will be summarized in data tables. The tables will contain the appropriate data qualifiers assigned during the QA review, reporting limits, and any non-detect results. The tables will be checked for accuracy before they are used to interpret the data.

The report will contain of the following sections:

- Field Activities: The section will review field procedures and note any deviations from the management plans. Sampling points will be presented on figures.
- Laboratory Analytical Results: Analytical results will be reported and concentrations of individual contaminants will be presented on figures.
- Results Comparison: Detected concentrations will be compared to the results from the reference samples.

6.2 DATA FILES AND RECORDS

Two primary categories of data will be generated during this site investigation: field data and analytical laboratory data. Field measurements and observations will be recorded in a logbook or on the appropriate field form as described in the SAP. Laboratory analytical data will be submitted to URS by the project laboratory in both electronic and paper form. Data will be transferred into the project database and reviewed for accuracy before it is used to interpret the results of the investigation. Original field and laboratory records will be stored in the URS project file.

6.3 LABORATORY QUALITY ASSURANCE

Laboratory analyses will be conducted for the parameters described in Section 4. Laboratory data will undergo generation, reduction, and verification procedures described in the laboratory QA plans, standard operating procedures, and the USACE “Shell”.

Data generated by the laboratories will also be reviewed for data quality by URS. The data quality review will include evaluation of precision, accuracy, representativeness, comparability, and completeness as described in the QAPP. Qualifiers will be added to data during the review, as necessary. A report describing the data quality review will be included as an appendix to the project report.

6.4 INDEPENDENT TECHNICAL REVIEW

An independent technical review of the management plans and the final report prepared for this project will be conducted. The review will be conducted by a qualified senior scientist or engineer not involved in the preparation of the documents.